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ORGANIC LIGHT EMITTING PANEL

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a color organic light emitting panel with drastically improved light emitting capability.

SOLUTION: An organic light emitting panel comprises a stripe pattern transparent anode 7 formed on a transparent substrate including a hydrophobic surface, and stripe pattern metal cathodes 4 to 6 formed thereover in an orthogonal direction with the stripe pattern transparent anode 7 through a fluorescent light emitting organic layer containing electron transfer organic molecules and positive hole transfer organic molecules, and emits light under an electric field generated by an applied voltage. The organic light emitting panel has properties that a fluorescent conversion organic layer or the fluorescent light emitting organic layer constituting pixels is formed on or inside the transparent substrate by an orientation-controlled monochromatic fluorescent molecule layer, the polarizing plane of the electric field light emission has the same orientation as the transient moment of the fluorescent molecule layer, fluorescent molecules in individual colors are not mixed, individual substrates are manufactured independently, the color purity correction and the RGB balance collection are facilitated, and the yield is improved.

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